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- (71) Applicant (for all designated States except US): OM-NISCIENCE PHARMACEUTICALS [US/US]; Suite G-18, 4665 South Ash Avenue, Tempe, AZ 85282-6764 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FOMENKOV, Alexey [US/US]; 208 E. Baseline Road, Tempe, AZ 85213 (US). HUANG, Yiping [US/US]; 5103 S. Mill Avenue #272, Tempe, AZ 85282 (US). CHAPARIAN, Michael, G. [US/US]; 4652 W. Erie Street, Chandler, AZ 85226 (US). ZHENG, Shu-Xian [CA/US]; 8853 W. Salter, Peoria, AZ 85382 (US).

- (74) Agents: KOHN, Kenneth, I. et al.; Kohn & Associates, Suite 410, 30500 Northwestern Highway, Farmington Hills, MI 48334 (US).
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(54) Title: GENE CLONING

(57) Abstract: There is provided a method of targeted cloning of genes and gene clusters by directly isolating the DNA of interest from a mixed population, thereby permitting the construction of a very targeted, highly enriched library. Also provided are several unique methods for cloning the genes provided by this method and the probes used in connection with this method.